

COPY

PTO/SB/02B

Docket No.: 5000-1-332

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor (s), I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PHOTODIODE AND METHOD OF MANUFACTURING THE SAME**

,the specification of which is attached hereto unless the following box is checked:

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>2002-8509</u> (Number)	<u>Republic of Korea</u> (Country)	<u>18/02/2002</u> (Day/Month/Year Filed)	Priority Claimed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of the Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status - patented, pending, abandoned)

**POWER OF ATTORNEY:** I hereby appoint as my attorneys and other attorneys or agents the registered persons identified under

**CUSTOMER NUMBER**

**33942**

for the law firm of Klauber & Jackson, said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to:

Steve S. Cha, Esq.

**CUSTOMER NUMBER**

**CHA & REITER**

**33942**

411 HACKENSACK AVE

9<sup>TH</sup> FLOOR

HACKENSACK, NEW JERSEY 07601

Address all telephone calls to:

(201)518-5518:

I (we) hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full name of sole or first inventor:**

Hwa-Young KANG

**Residence Address:**

990-18, Youngtong-dong, Paldal-gu, Suwon-shi, Kyonggi-do,

Republic of Korea

**Post office address:**

Same as above

**Citizenship:**

Republic of Korea

**Date:**

Jan. 16, 2003

**Signature:**

Hwa - Young Kang

**Full name of Second inventor:**

Jung-Kee LEE

**Residence Address:**

#309-1302, LG Village, Kumgok-dong, Kwonson-gu, Suwon-shi,

Kyonggi-do, Republic of Korea

**Post office address:**

Same as above

**Citizenship:**

Republic of Korea

**Date:**

Jan. 16, 2003

**Signature:**

Jung Kee Lee



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

500-1-332

JUNE 06, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

CHA & REITER  
STEVE CHA  
411 HACKENSACK AVENUE, 9TH FLOOR  
HACKENSACK, NJ 07601



\*102458397A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

COPY

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/04/2003

REEL/FRAME: 013713/0038

NUMBER OF PAGES: 4

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE NAME OF THE ASSIGNEE. FILED ON 1-17-02. RECORDED ON REEL/FRAME 13670/0465 (ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF ASSIGNOR'S INTEREST)

ASSIGNOR:  
KANG, HWA-YOUNG

DOC DATE: 01/16/2003

ASSIGNOR:  
LEE, JUNG-KEE

DOC DATE: 01/16/2003

ASSIGNEE:  
SAMSUNG ELECTRONICS CO., LTD.  
416 MAETAN-DONG, PALDAL-GU  
SUWON-CITY, KYUNGKI-DO  
REPUBLIC  
OF KOREA

SERIAL NUMBER: 10346315  
PATENT NUMBER:

FILING DATE: 01/17/2003  
ISSUE DATE:

JUN 13 2003

013713/0038 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

MRD 6-4-03

FORM PTO-1595  
(Rev. 6/93)

06-06-2003

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

RE



JET

102458397

Attorney Docket No. 5000-1-332

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Hwa-Young KANG; Jung-Kee LEE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other: Correct Notice of Recordation of Assignment  
Cover Sheet (Reel 013670/0465)

Execution Date: January 16, 2003

2. Name and address of receiving party(ies):

Name: SAMSUNG ELECTRONICS CO., LTD.

Address: 416, MAETAN-DONG, PALDAL-GU

SUWON-CITY, KYUNGKI-DO

KOREA, REPUBLIC OF KOREA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/346,315

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Steve Cha

Address: CHA & REITER  
411 Hackensack Avenue, 9th Floor  
Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00 (Paid on 1/17/03)

☐ Enclosed (Paid on 1/17/03)

☒ Authorized to be charged to deposit account, if necessary  
- for overages or underpayments only

8. Deposit account number: 502-470

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steve Cha, Reg No. 44,069  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

01-23-2003

FORM PTO-1595

(Rev. 6/93)



REC--

102345126  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ET

Attorney Docket No. 5000-1-332

To the Assistant Commissioner for Patents

## 1. Name of conveying party(ies):

Hwa-Young KANG; Jung-Kee LEE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name

Other: \_\_\_\_\_

Execution Date: January 16, 2003

## 2. Name and address of receiving party(ies):

Name: SAMSUNG ELECTRONICS CO., LTD.Address: 416, MAETAN-DONG, PALDAL-GUSUWON-CITY, KYUNGKI-DOKOREA, REPUBLIC OF KOREAAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 16, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

10/346315

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Steve ChaAddress: CHA & REITER  
411 Hackensack Avenue, 9th Floor  
Hackensack, New Jersey 076016. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.00☒ Enclosed☒ Authorized to be charged to deposit account, if necessary  
- for overages or underpayments only8. Deposit account number: 502-470

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steve Cha, Reg No. 44,069  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

01/21/2003 EFLORES 00000088 10346315

02 FC:8021

40.00 OP

PTO/SB/15

Docket No.: 5000-1-332

**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Hwa-Young KANG of  
990-18, Youngtong-dong, Paldal-gu, Suwon-shi, Kyonggi-do, Republic of Korea
- 2) Jung-Kee LEE of  
#309-1302, LG Village, Kungok-dong, Kwonson-gu, Suwon-shi, Kyonggi-do,  
Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONIC CO., LTD.** of  
**416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA**  
**REPUBLIC OF KOREA**

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

**PHOTODIODE AND METHOD OF MANUFACTURING THE SAME**

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

**SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):**

**Name of First Inventor:** Hwa-Young KANG

Hwa-Young Kang  
Signature of inventor

Dated: Jan. 16, 2003

WITNESSED: Jong-Hee KIM

**Name of Second Inventor:** Jung-Kee LEE

Jung-Kee Lee  
Signature of inventor

Dated: Jan. 16, 2003

WITNESSED: Jong-Hee KIM



**CHA & REITER**

ATTORNEYS AT LAW

CONTINENTAL PLAZA

411 HACKENSACK AVENUE, 9TH FLOOR

HACKENSACK, NEW JERSEY 07601

TEL: (201) 518-5518

FAX: (201) 518-5519

Howard S. Reiter\*  
Steve S. Cha  
Stephen Gigante  
David Rosenblum  
Noreen Welch\*

Patent, Trademark  
And Copyright

\* Of Counsel

May 28, 2003

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Re: REQUEST FOR CORRECTION OF INFORMATION ON  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

Assignor(s) :Hwa-Young Kang; Jung-Kee Lee  
Assignee(s) :Samsung Electronics Co., Ltd.  
Serial No. :10/346,315  
Filed :January 17, 2003  
Docket No. :5000-1-332

Dear Sir:

It is hereby requested that the Assignment records of the U.S. Patent and Trademark Office be revised to indicate the following correction and addition:

Please correct the spelling of the Assignee's name on the cover sheet from [Samsung Electrnics Co., Ltd], to

-- Samsung Electronics Co, Ltd.--.

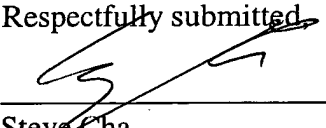
A substitute Recordation Form Cover Sheet is provided herewith containing the correct information (which was included in the originally submitted Recordation Form Cover Sheet). Correction is requested of the information as recorded at the reel and frame number indicated in the Notice of Recordation, a copy of which is attached hereto.

Mail Stop Assignment Recordation Service  
May 28, 2003  
Page 2

Attorney Docket No. 5000-1-332

Accordingly, amendment of the records at the U.S. Patent and Trademark Office and issuance of a corrected Notice of Recordation of Assignment Document is believed to be warranted and is requested. No fees are believed to be owed as the error was on the part of the U.S. Patent and Trademark Office.

Respectfully submitted



---

Steve Cha  
Attorney for Applicant  
Registration No. 44,069

SC/lc

Enclosures – Substitute Assignment Recordation Cover Sheet Form  
Copy of notice of Recordation of Assignment Document with correction  
Assignment Recordation Cover Sheet Form dated January 17, 2003  
Copy of Assignment



MAY 21, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

CHA & REITER  
STEVE CHA  
411 HACKENSACK AVENUE, 9TH FLOOR  
HACKENSACK, NJ 07601



\*102345126A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 01/17/2003

REEL/FRAME: 013670/0465  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KANG, HWA-YOUNG

DOC DATE: 01/16/2003

ASSIGNOR:

LEE, JUNG-KEE

DOC DATE: 01/16/2003

ASSIGNEE:

SAMSUNG [ELECTRONICS] CO., LTD.  
416, MAETAN-DONG, PALDAL-GU  
SUWON-CITY, KYUNGKI-DO  
REPUBLIC  
OF KOREA

SERIAL NUMBER: 10346315  
PATENT NUMBER:

FILING DATE: 01/17/2003  
ISSUE DATE:

MAY 27 2003

013670/0465 PAGE 2

SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS